

IN THE CLAIMS:

1. (Currently Amended) A generating set utilizing falling water flow, comprising:

a substantially vertically standing cylindrical frame having an introduction port at its top end for introducing falling water flow and a discharge port at its lower end for discharging the falling water flow so as to pass the falling water flow through the cylindrical frame;

5 a conveyer circulatably provided inside the cylindrical frame in the vertical direction via a rotary shaft in a loop-like tensed state;

a plurality of buckets disposed in the longitudinal direction along an outer surface of a circulating portion of the conveyor and fixed thereto at predetermined intervals, into which the falling water flow is introduced and the openings of which face in the direction opposite to
10 the circulating direction of the conveyor; and

a generator connected to the rotary shaft which supports the conveyor and rotates with the circulation of the circulating portion of the conveyor, characterized in that the buckets, the openings of which face in the upward direction, lined up on the outer surface of one side of the circulating portion of the conveyor are arranged along a passage through which the falling
15 water flow introduced from the introduction port into the inside of the cylindrical frame passes
and the generator is positioned on an exterior of the cylindrical frame.

2. (Original) A generating set as set forth in claim 1, characterized in that a funnel for introducing the falling water flow into the inside of the cylindrical frame through the introduction port is provided on the introduction port at the upper end of the cylindrical frame.

3. (Previously Presented) A generating set as set forth in claim 1, characterized in that a storage tank for temporarily storing the falling water flow to be introduced into the inside of the cylindrical frame through the introduction port is provided.

4. (Previously Presented) A generating set as set forth in claim 1, characterized in that guide plates for introducing the falling water flow into the buckets are provided on outer edges of the openings of the respective buckets lined up on the outer surface of the circulating portion of the conveyor in the longitudinal direction in such a manner that the guide plates stand up diagonally outward opposite to the trunk side of the buckets.

5. (Previously Presented) A generating set as set forth in claim 1, characterized in that the conveyor is formed by a combination of a chain and sprockets.

6. (Previously Presented) A generating set as set forth in claim 2, characterized in that a storage tank for temporarily storing the falling water flow to be introduced into the inside of the cylindrical frame through the introduction port is provided.

7. (Currently Amended) A generating set as set forth in claim 2, characterized in that guide plates for introducing the falling water flow into the buckets are provided on outer edges of the openings of the respective buckets lined up on the outer surface of the circulating portion of the conveyor in [[the]] a longitudinal direction transverse to the falling water flow in such a manner that the guide plates stand up diagonally outward opposite to the ~~trunk~~ side of the buckets connected to the conveyor, the guide plates are positioned to receive an impact of falling water flow and to direct the water to the buckets.

8. (Currently Amended) A generating set as set forth in claim 3, characterized in that guide plates for introducing the falling water flow into the buckets are provided on outer edges of the openings of the respective buckets lined up on the outer surface of the circulating portion of the conveyor in [[the]] a longitudinal direction transverse to the falling water flow in such a manner that the guide plates stand up diagonally outward opposite to the ~~trunk~~ side of the buckets connected to the conveyor, the guide plates are positioned to receive an impact of falling water flow and to direct the water to the buckets.

9. (Previously Presented) A generating set as set forth in claim 2, characterized in that the conveyor is formed by a combination of a chain and sprockets.

10. (Previously Presented) A generating set as set forth in claim 3, characterized in that the conveyor is formed by a combination of a chain and sprockets.

11. (Previously Presented) A generating set as set forth in claim 4, characterized in that the conveyor is formed by a combination of a chain and sprockets.

12. (Currently Amended) A system for generating electrical power from water flow, comprising:

a frame unit;

a cylindrical outer housing extending around the sides of the frame unit and open

below the frame unit;

a first shaft rotably mounted on the frame unit;

a generator operatively mounted to the shaft for generating electricity as the first shaft rotates;

a second shaft rotably mounted on the frame unit;

10 an elongated endless conveyor member operatively supported on the first and second shafts, the conveyor member having a plurality of spaced bucket ~~projections~~ members to hold water extending outward from an exterior surface of the conveyor member for receiving and temporarily retaining water; [[and]]

 a funnel member capable of receiving and directing water, the funnel member
15 directs the water above and to one side of the conveyor member that juxtapositions the bucket members to receive and temporarily retain water so that release of the water to fall by gravity from the funnel member will impact the respective spaced ~~bucket projections~~ buckets to drive the conveyor member to rotate; and

inclined guide plates are positioned to extend outwardly from the respective
20 bucket members when the bucket members descend in the falling water flow and to receive an impact force from the falling water and to direct the water to the bucket member.

13. (Cancelled)

14. (Currently Amended) The system as set forth in claim [[13]] 12 wherein the conveyor member includes a chain that engages complementarily sprockets on the respective first and second shafts.

15. (Previously Presented) The system as set forth in claim 14 further including a storage tank for holding water connected to the funnel member.

16. (Currently Amended) The system as set forth in claim 15 further including a speed increaser unit [[is]] connected between the first shaft and the generator to increase the rotary speed applied to the generator.

17. (Previously Presented) The system as set forth in claim 16 further including a storage battery connected to the generator.

18. (Cancelled)

19. (New) The system as set forth in claim 17 further including a valve to regulate the release of water flow from the storage tank.

20. (New) A system for generating electrical power from water flow, comprising:

a substantially vertically standing cylindrical frame having an introduction port at its top end for introducing falling water flow and a discharge port at its lower end for discharging the falling water flow so as to pass the falling water flow through a side portion of the cylindrical

5 frame;

a conveyer circulatably provided inside the cylindrical frame in the vertical direction via a rotary shaft in a loop-like tensed state;

a plurality of buckets disposed in the longitudinal direction along an outer surface of a circulating portion of the conveyor and fixed thereto at predetermined intervals, into which
10 the falling water flow is introduced and the openings of which face in the direction opposite to the circulating direction of the conveyor;

a funnel member capable of receiving and directing water, the funnel member directs the water above and to one side of the conveyor member that juxtapositions the bucket members to receive and temporarily retain water so that release of the water to fall by gravity
15 from the funnel member will impact the respective spaced buckets to drive the conveyor member to rotate;

inclined guide plates are positioned to extend outwardly from the respective bucket members when the bucket members descend in the falling water flow and to receive an impact force from the falling water and to direct the water to the bucket member; and

20 a generator connected to a rotary shaft which supports the conveyor and rotates with the circulation of the circulating portion of the conveyor, characterized in that the buckets, the openings of which face in the upward direction, lined up on the outer surface of one side of

the circulating portion of the conveyor are arranged along a passage through which the falling water flow introduced from the introduction port into the inside of the cylindrical frame passes
25 and the generator is positioned on an exterior of the cylindrical frame.

21. (New) The system as set forth in claim 20 further including a storage tank for holding water connected to the funnel member.

22. (New) The system as set forth in claim 21 further including a valve to regulate the release of water flow from the storage tank.